SIEMENS

## Data sheet 6GK5108-2RS00-2FC2



SCALANCE XCH108PoE (6x100/1000 Mbps RJ45, PoE, 2x 1000/10000 Mbps SFP) unmanaged IE switch up to 120 W PoE power on 6 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply, with painted printed circuit boards, manual available as a download .

| | |
|---|---|
| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | XCH108PoE (G, 2x SFP) |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5108-2RS00-2FC2 |
| **transfer rate** | |
| transfer rate | 10, 100, 1000 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 6; RJ45 |
| number of 10/100/1000 Mbit/s RJ45 ports | |
| ● with securing collar | PoE ports according to IEEE802.3at (30 W) |
| ● with securing collar / with PoE | 6 |
| number of electrical connections | |
| ● for SFP | 2 |
| **interfaces / for communication / plug-in** | |
| number of electrical connections | |
| ● for SFP+ | 2; SFPs possible with 1000 Mbps or 10,000 Mbps; |
| **interfaces / other** | |
| number of electrical connections | |
| ● for signaling contact | 1 |
| ● for power supply | 1 |
| type of electrical connection | |
| ● for signaling contact | 2-pole terminal block |
| ● for power supply | 4-pole terminal block |
| operating voltage / of the signaling contacts | |
| ● at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| ● at DC / maximum | 0.1 A |
| **supply voltage, current consumption, power loss** | |
| product component / connection for redundant voltage supply | Yes |
| **type of voltage / 1 / of the supply voltage** | DC |
| ● supply voltage / 1 / rated value | 24 V |
| ● power loss [W] / 1 / rated value | 12 W |
| ● supply voltage / 1 / voltage range | 19.2 ... 55 |
| ● consumed current / 1 / maximum | 7.5 A |
| ● type of electrical connection / 1 / for power supply | 4-pole terminal block |
| ● product component / 1 / fusing at power supply input | Yes |
| ● fuse protection type / 1 / at input for supply voltage | 2,5 A / 125 V |
| **type of voltage / 2 / of the supply voltage** | DC |


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| | |
|---|---|
| ● supply voltage / 2 / rated value | 54 V |
| ● power loss [W] / 2 / rated value | 10 W |
| ● supply voltage / 2 / voltage range | 19.2 ... 55 |
| ● consumed current / 2 / maximum | 2.5 A |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +60 °C |
| ● during storage | -40 ... +85 °C |
| ● during transport | -40 ... +85 °C |
| relative humidity | |
| ● at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| design | compact |
| width | 80 mm |
| height | 147 mm |
| depth | 125 mm |
| net weight | 0.87 kg |
| material / of the enclosure | Polycarbonate (PC-GF10) |
| fastening method | |
| ● 35 mm DIN-rail mounting | Yes |
| ● wall mounting | Yes |
| ● S7-300 rail mounting | Yes |
| ● S7-1500 rail mounting | Yes |
| **product features, product functions, product components / general** | |
| number of automatically learnable MAC addresses | 2048 |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● multiport mirroring | No |
| ● CoS | Yes |
| ● switch-managed | No |
| **product functions / redundancy** | |
| product function | |
| ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● UKCA marking | Yes |
| ● Regulatory Compliance Mark (RCM) | Yes |
| **standards, specifications, approvals / hazardous environments** | |
| certificate of suitability | |
| ● CCC / for hazardous zone according to GB standard | Yes |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● railway application in accordance with EN 50121-4 | Yes |
| ● RoHS conformity | Yes |
| resistance to air pollution / conformity according to ANSI/ISA-71.04 | Yes; G3 |
| **standards, specifications, approvals / marine classification** | |
| Marine classification association | |
| ● American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| ● French marine classification society (BV) | Yes |
| ● Chinese Classification Society (CCS) | Yes |
| ● Det Norske Veritas (DNV) | Yes |
| ● Korean Register of Shipping (KRS) | Yes |
| ● Lloyds Register of Shipping (LRS) | Yes |


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|---|---|
| ● Nippon Kaiji Kyokai (NK) | Yes |
| ● Polski Rejestr Statkow (PRS) | Yes |
| ● Royal Institution of Naval Architects (RINA) | Yes |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 351.9 kg |
| ● during manufacturing | 23.6 kg |
| ● during operation | 328 kg |
| ● after end of life | 0.3 kg |
| **product functions / general** | |
| laser protection class | LED Class 1 |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

| **Approvals / Certificates** | |
|---|---|
| Environmental Product Declaration | |
| ● global warming potential [CO2 eq] / during manufacturing | 23.6 kg |
| ● global warming potential [CO2 eq] / during operation | 328 kg |
| ● global warming potential [CO2 eq] / after end of life | 0.3 kg |
| ● global warming potential [CO2 eq] / total | 351.9 kg |

**Environment** | **General Product Approval**










Miscellaneous







**General Product Approval** | **For use in hazardous locations**

China RoHS










FM

CCC-Ex


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| For use in hazard-ous locations | Maritime application | | | | |
|---|---|---|---|---|---|
| UL | ABS | BUREAU VERITAS | DNV | LRS | NK / Nippon Kaiji Ky-okai |

| Maritime application | | | | Industrial Communication |
|---|---|---|---|---|
| PRS | RINA | CCS (China Classifica-tion Society) | KR (Korean Register of Shipping) | PROFINET |

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